

FIG. 1
(PRIOR ART)

N_{SAV} : Normal to Surface Adjacent to a Vortex
 N_{ME} : Normal to Mixing Element
 F : Direction of fluid flow
 \bullet : Centroid of mixing element

FIG. 2

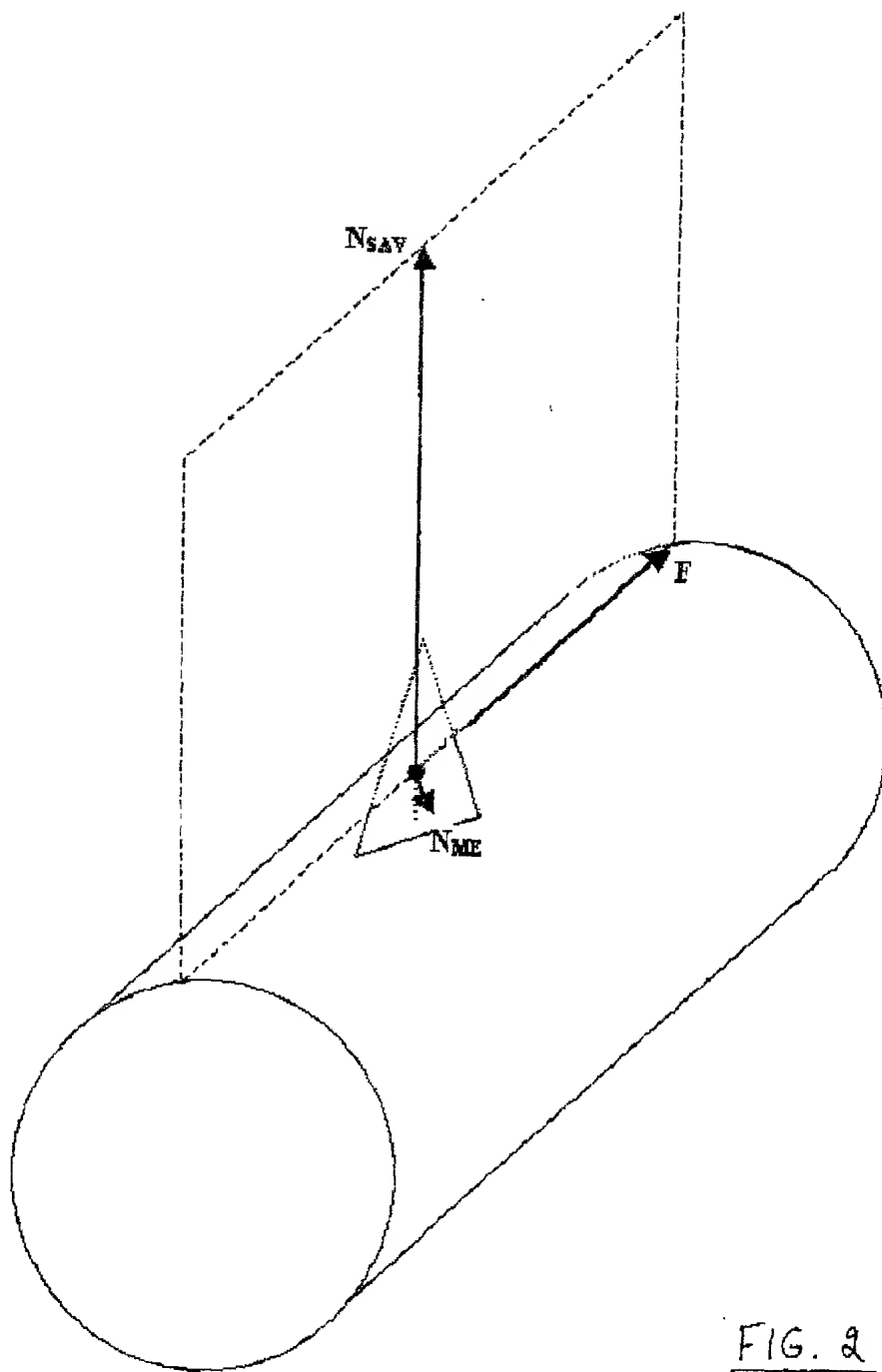


FIG. 2

- N_{SAV} : Normal to Surface Adjacent to a Vortex
- N_{MDS} : Normal to Mixing Device Surface
- F : Direction of fluid flow
- : Centroid of mixing device

Figure 3

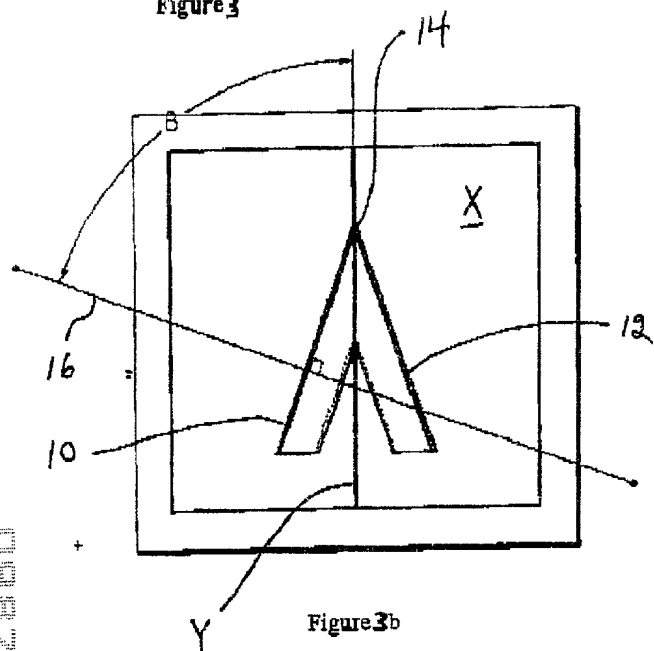


Figure 3b

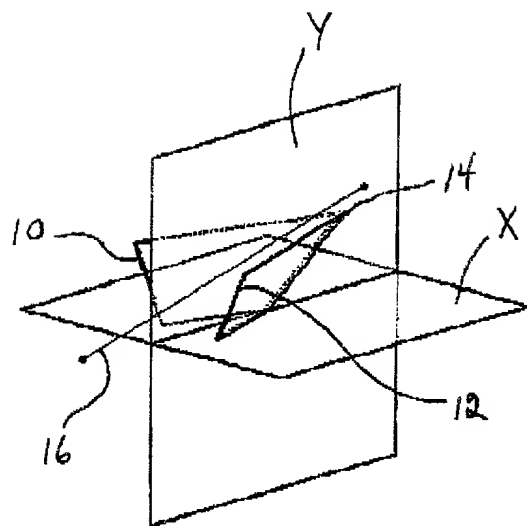


Figure 3a

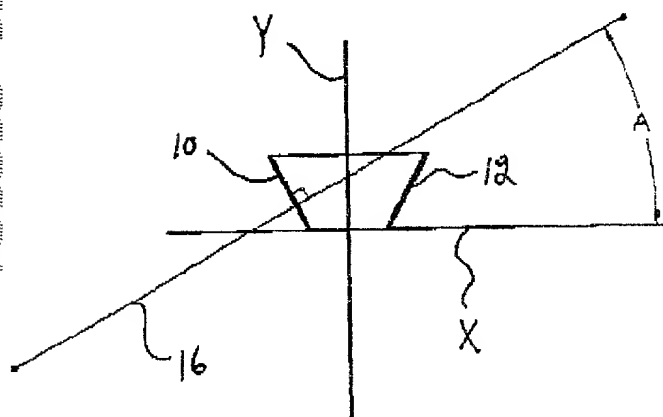


Figure 3c

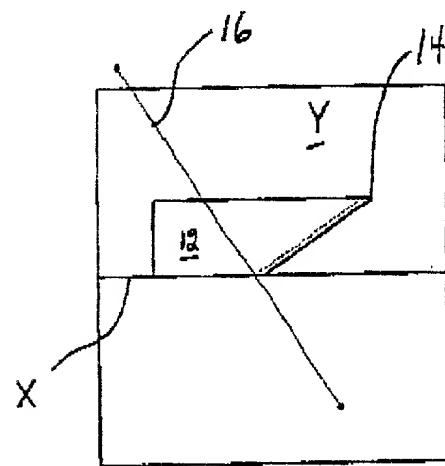


Figure 3d

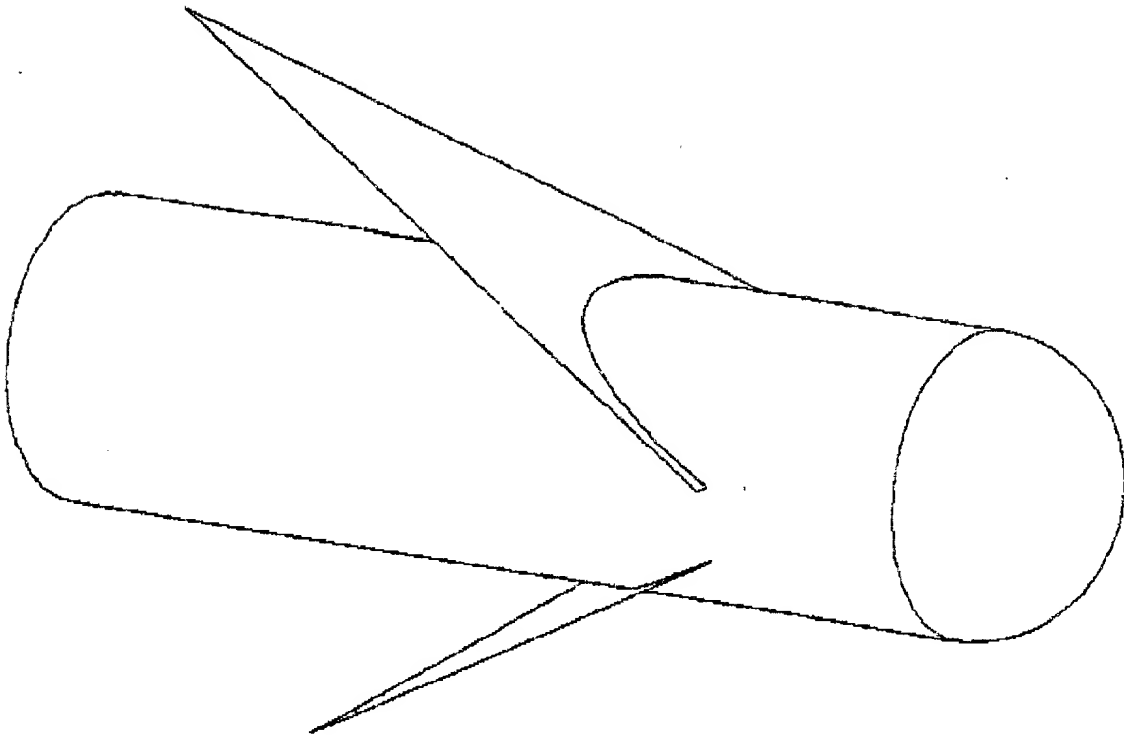


FIG. 4

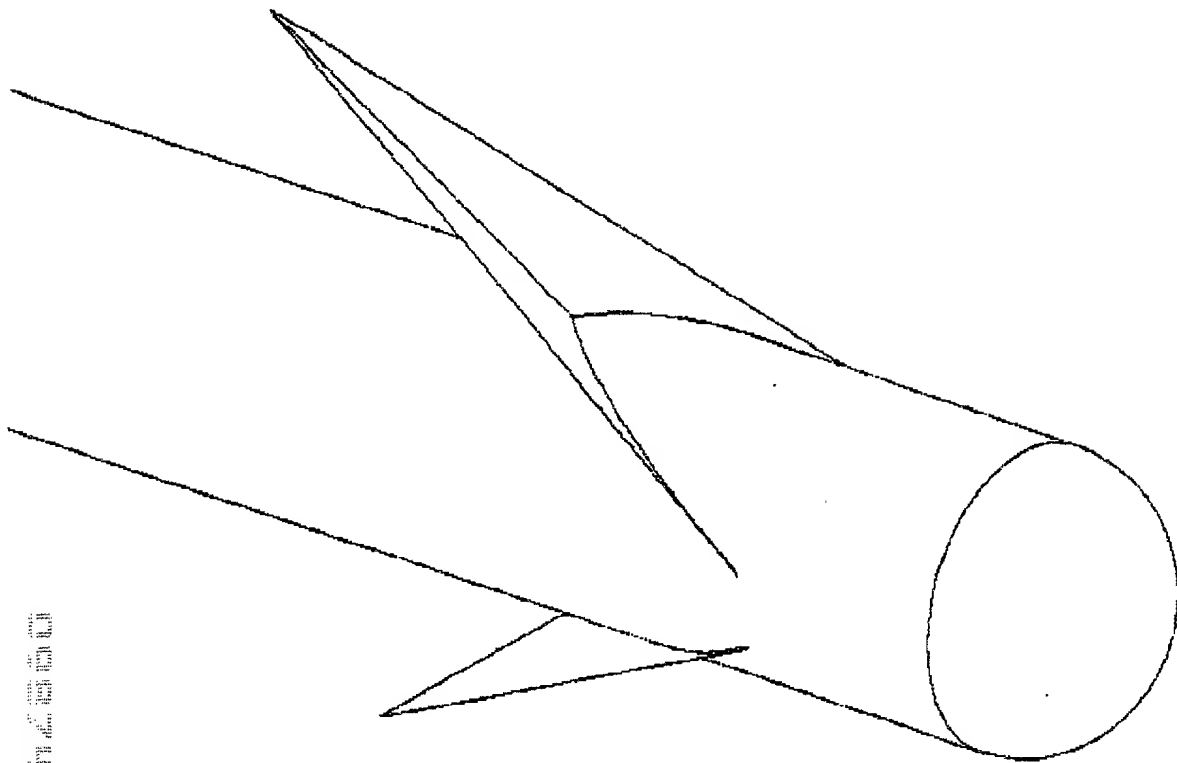


FIG. 5

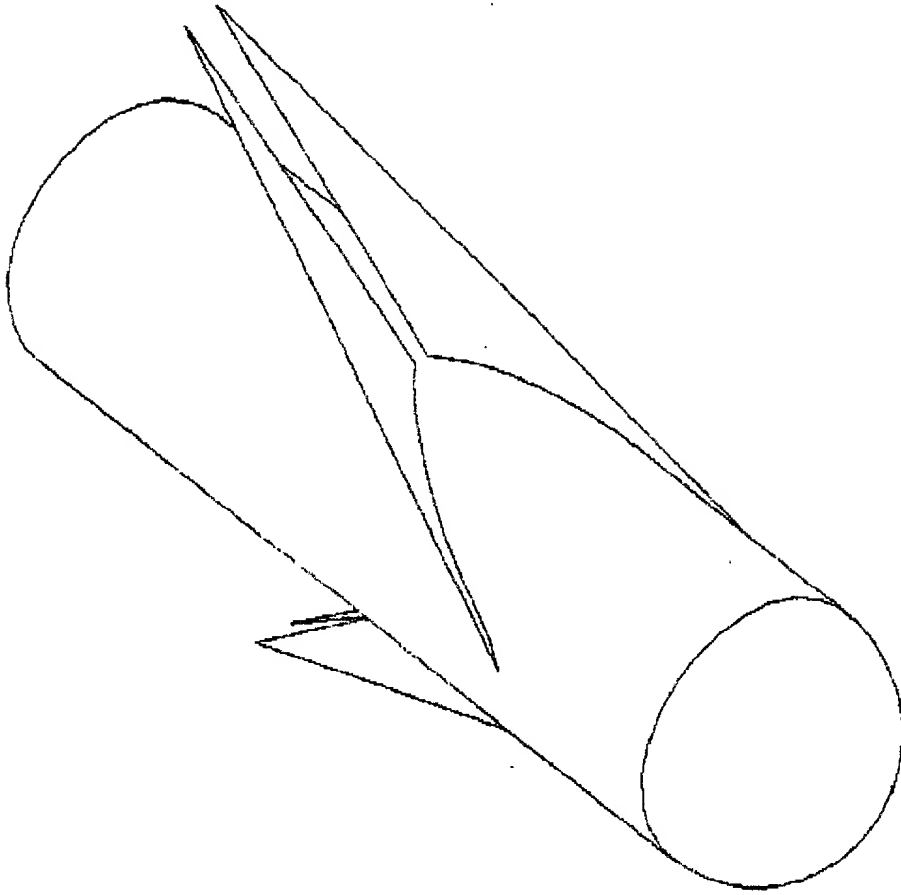


FIG. 6

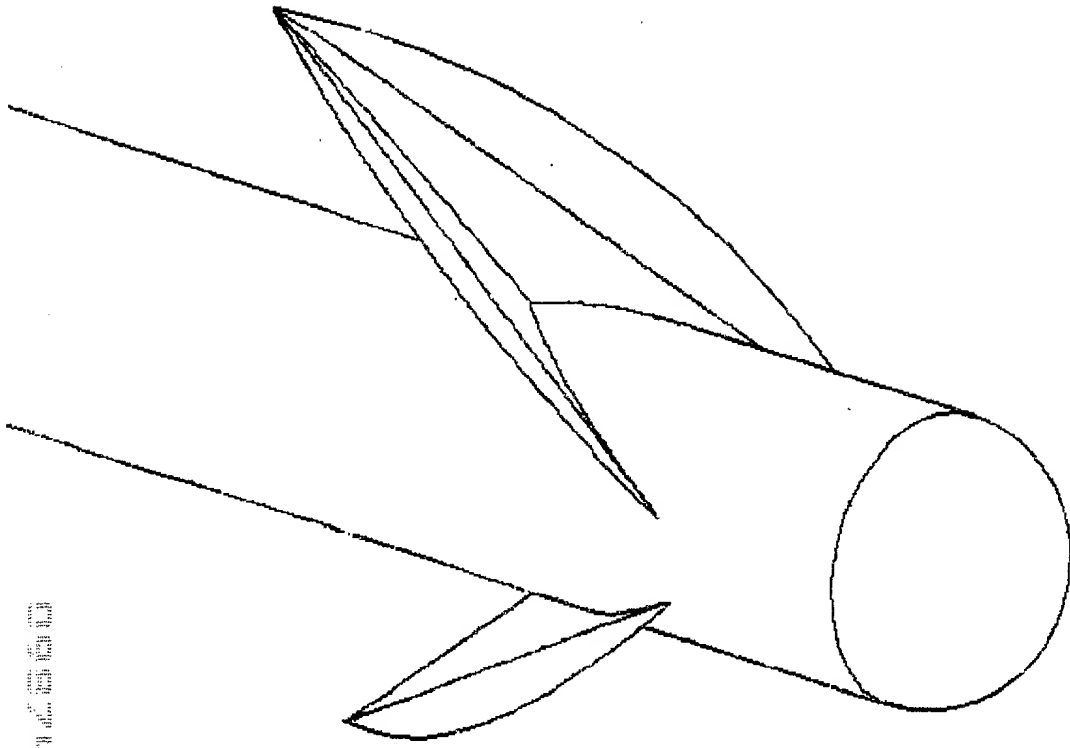


FIG. 7

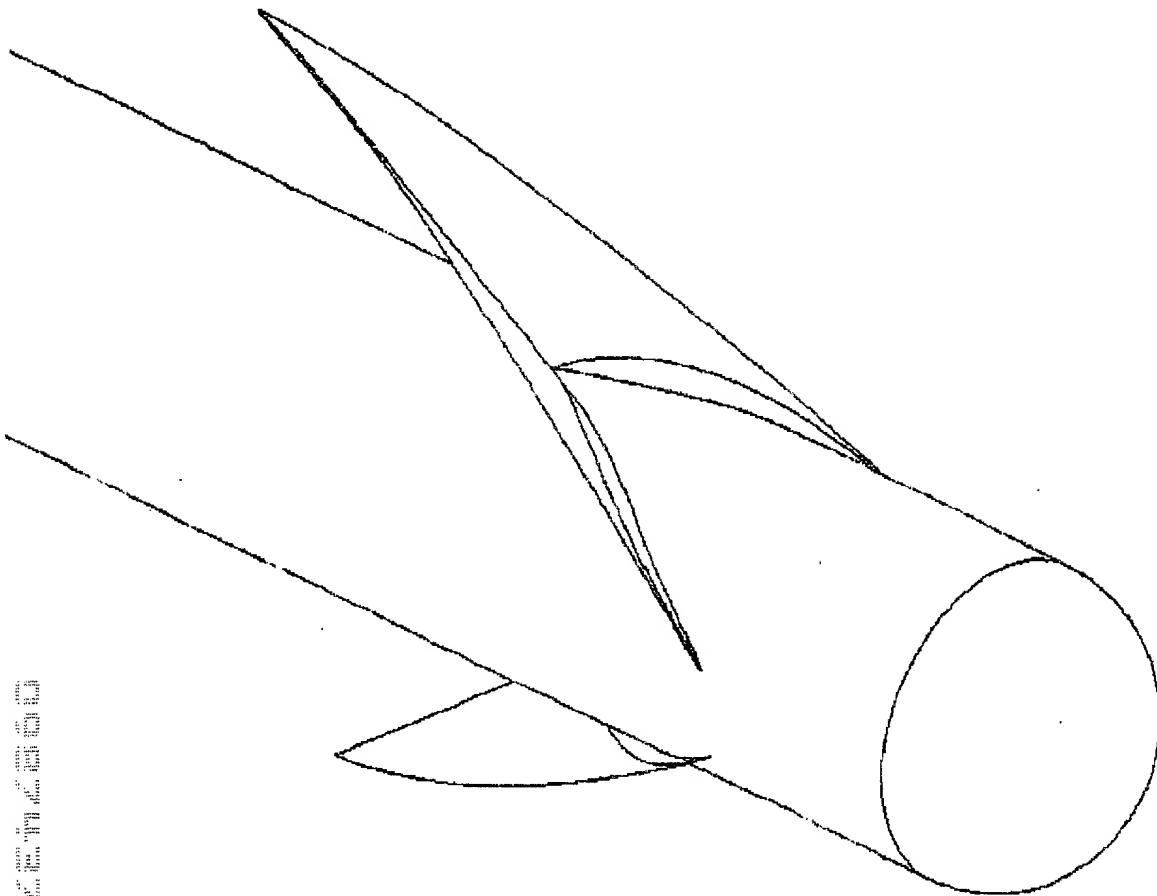


FIG. 8

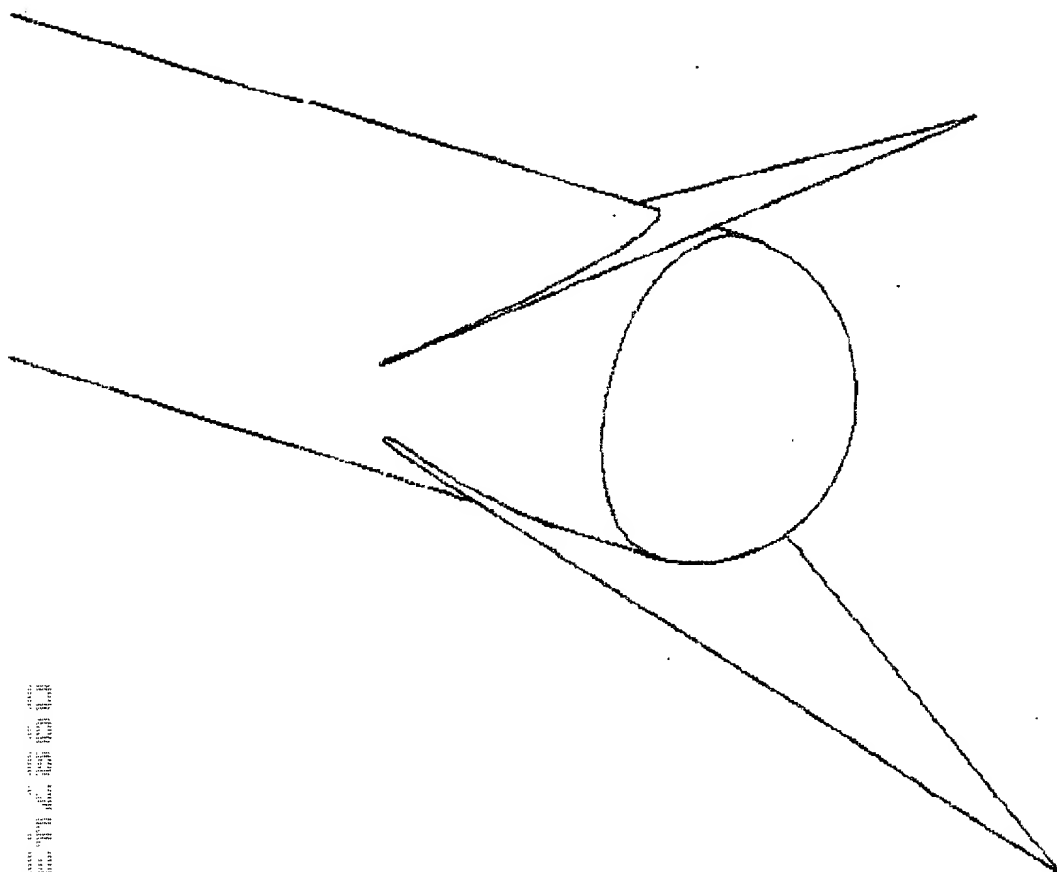


FIG. 9

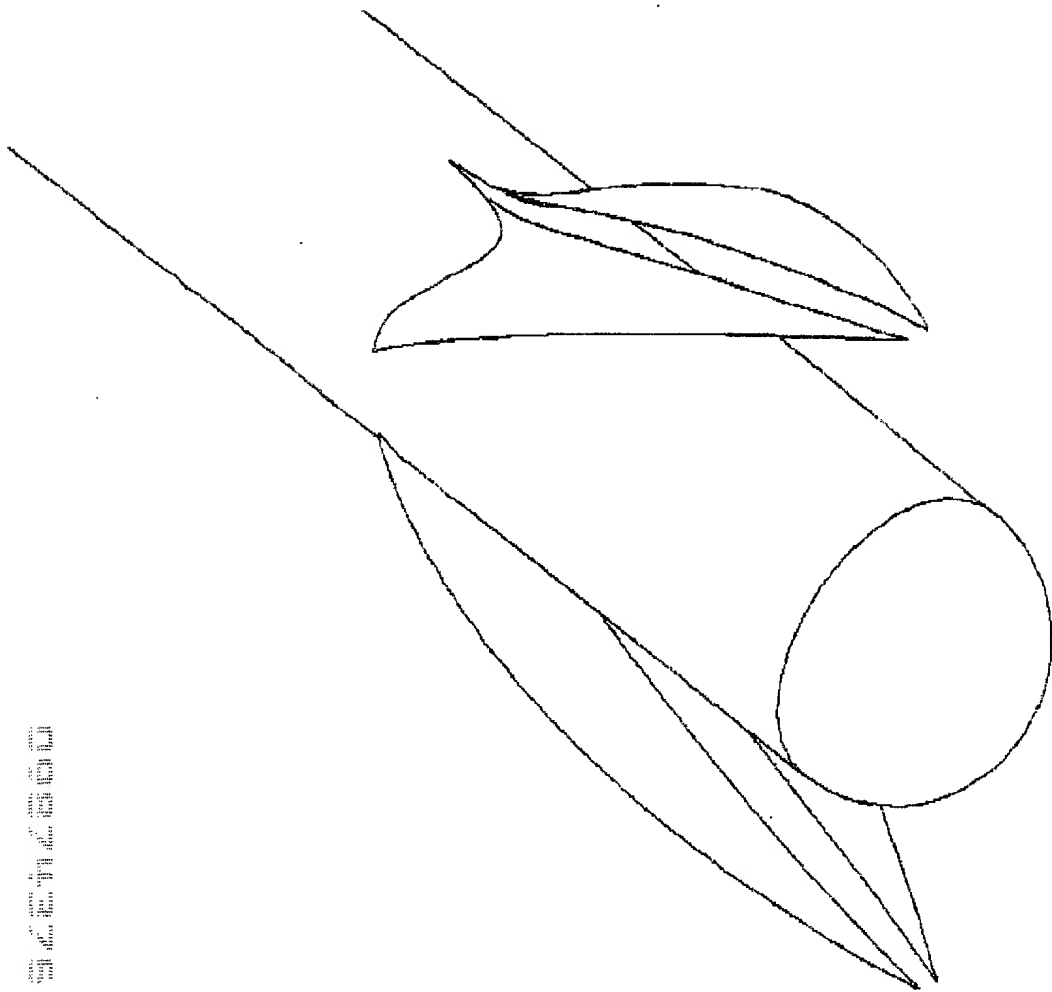


FIG. 10

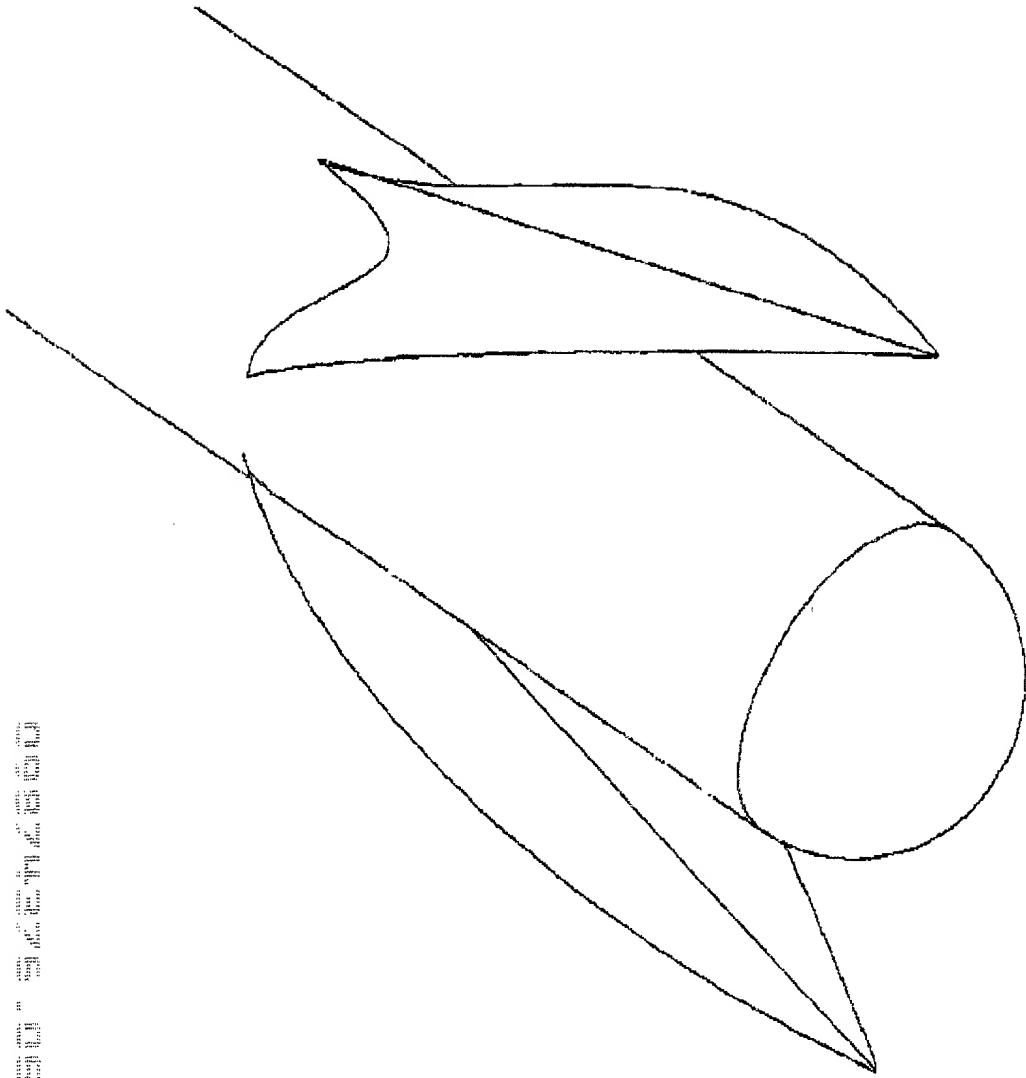


FIG. 11

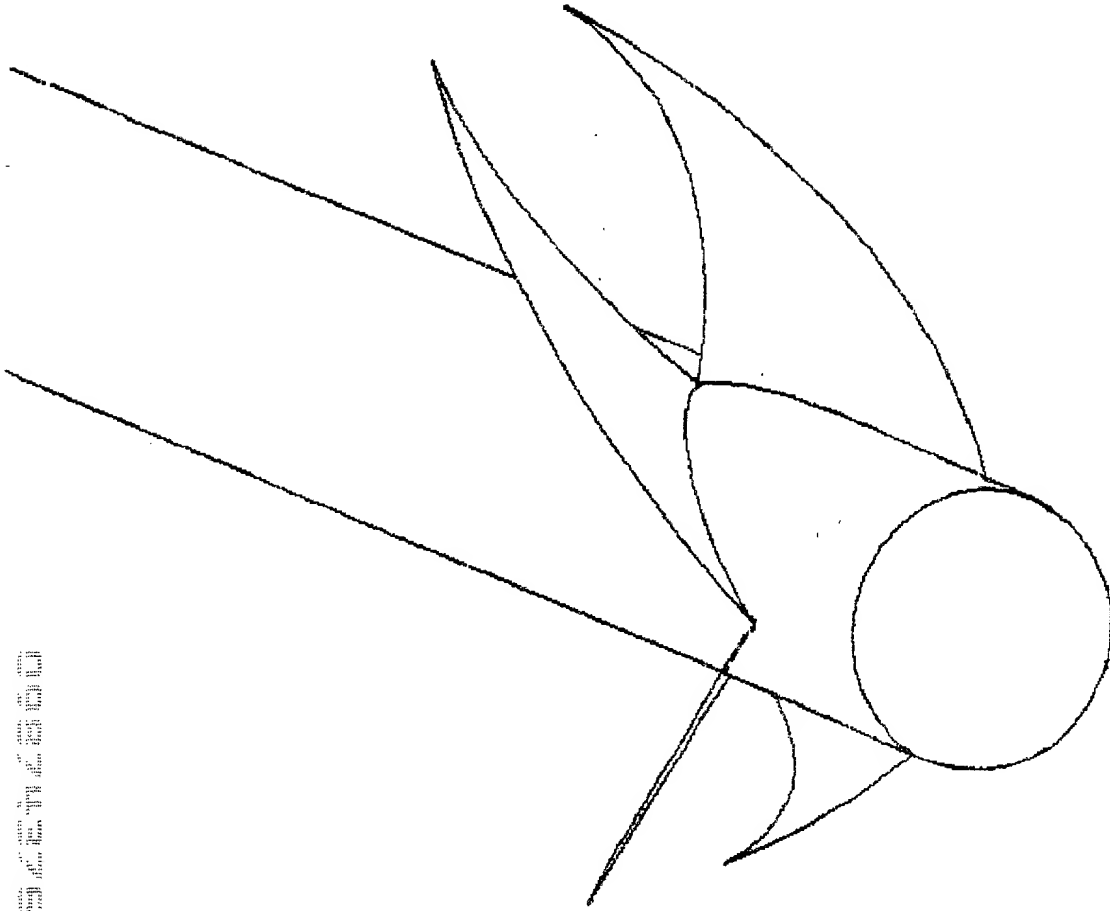
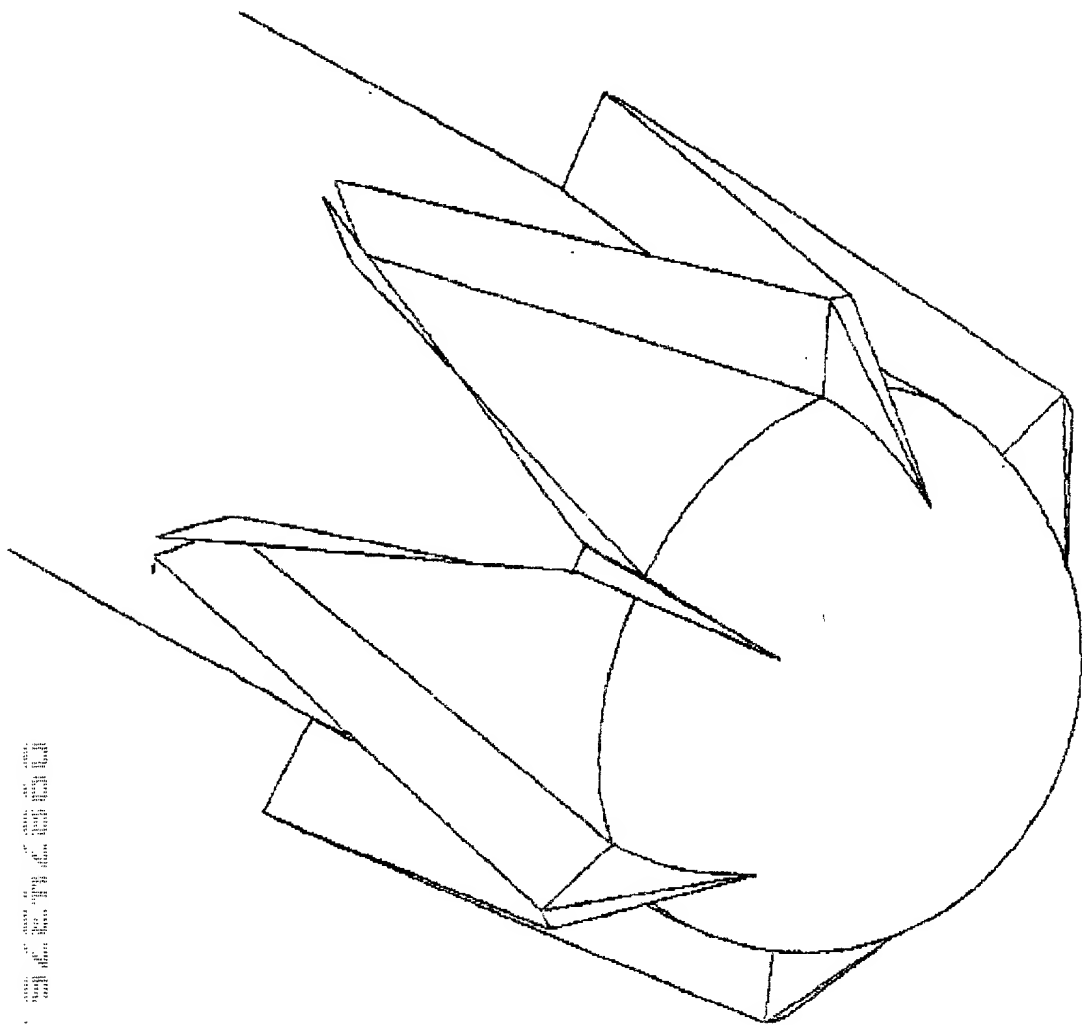


FIG. 12

FIG. 13



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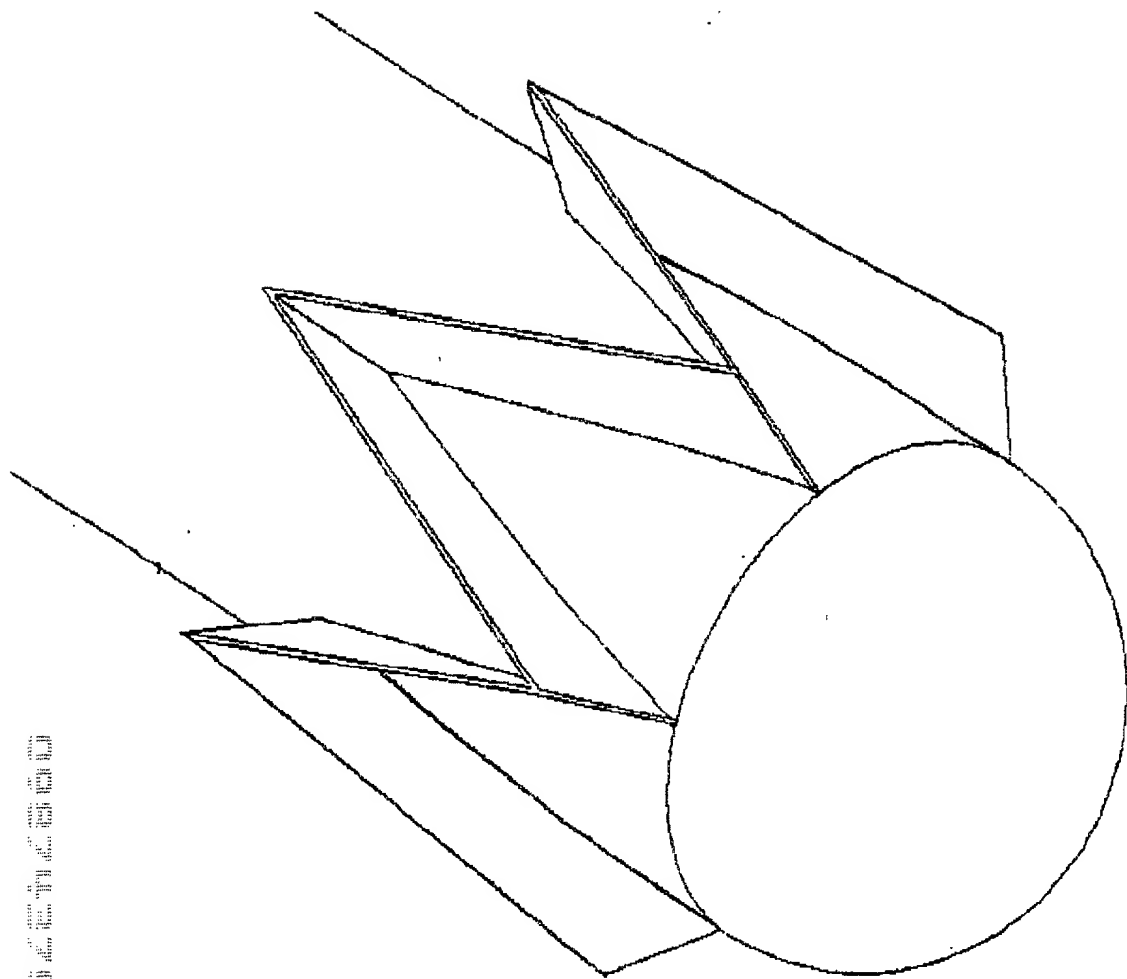


FIG. 14

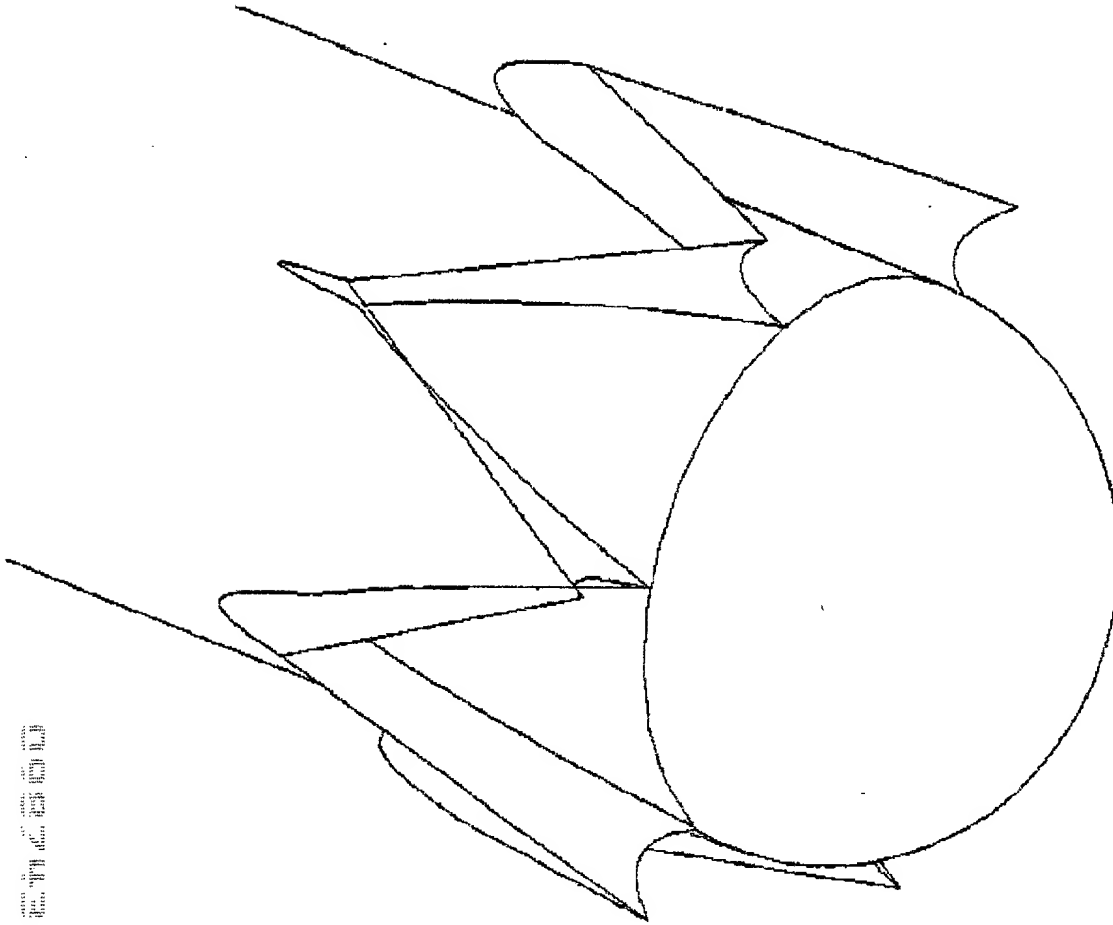


FIG. 15

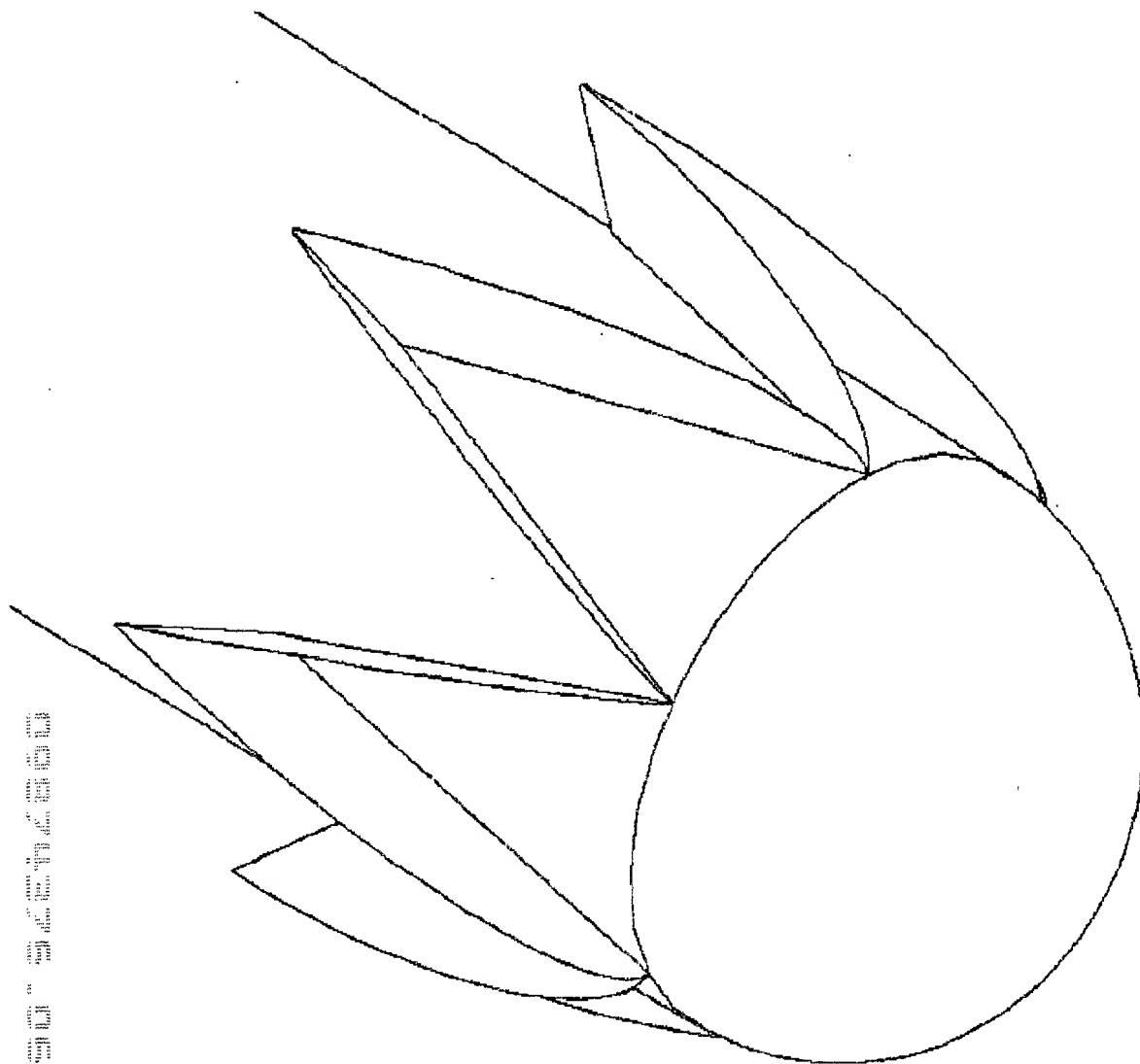


FIG. 16

Figure 17

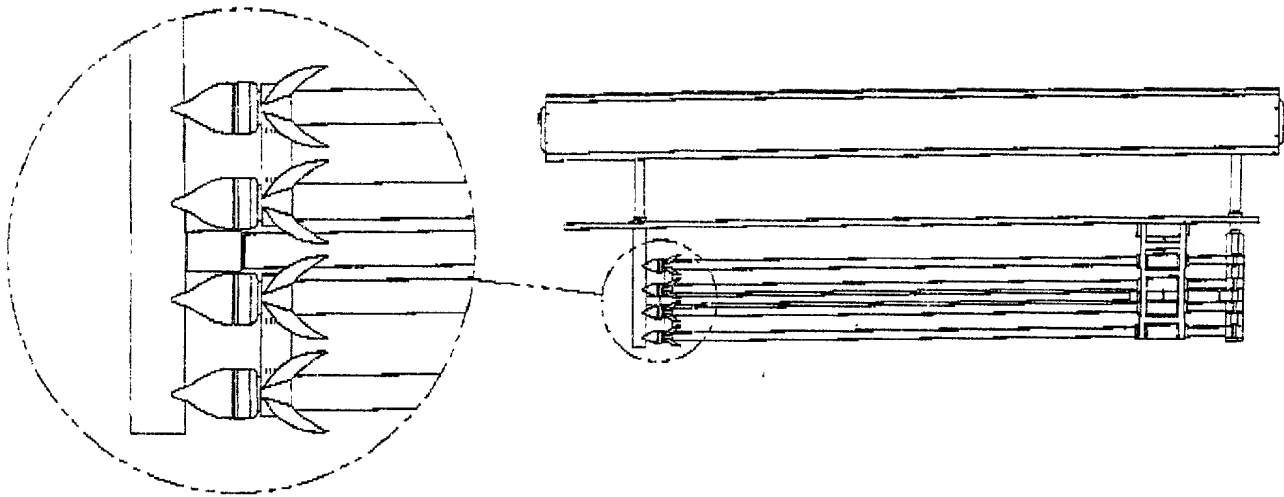


Figure 18a

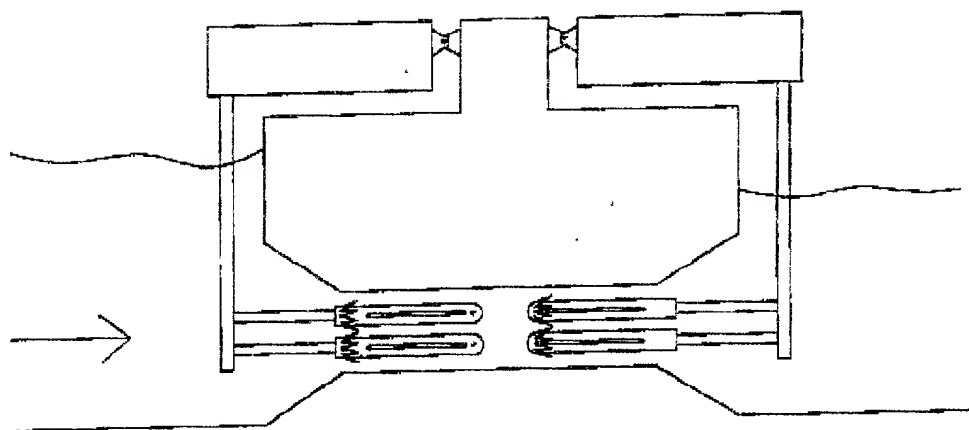


Figure 18b

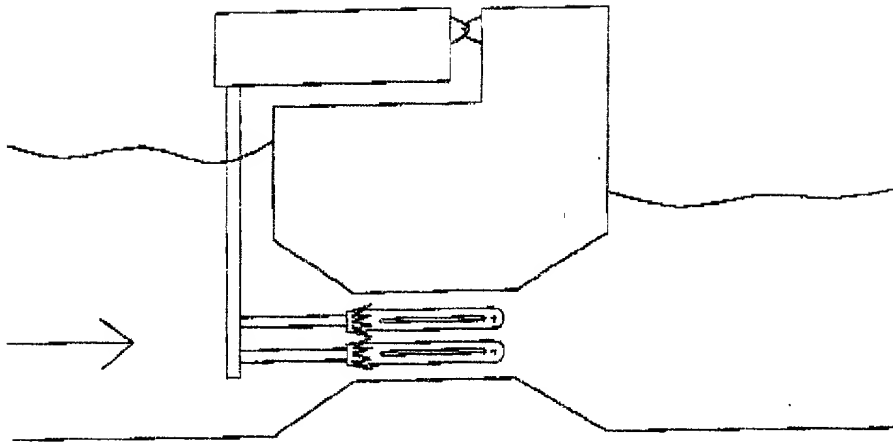


Figure 18c

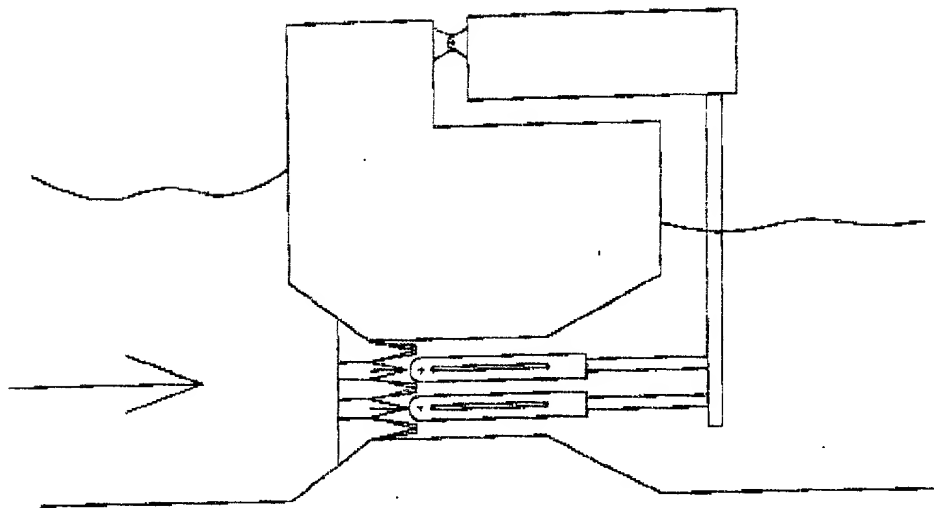


Figure 19

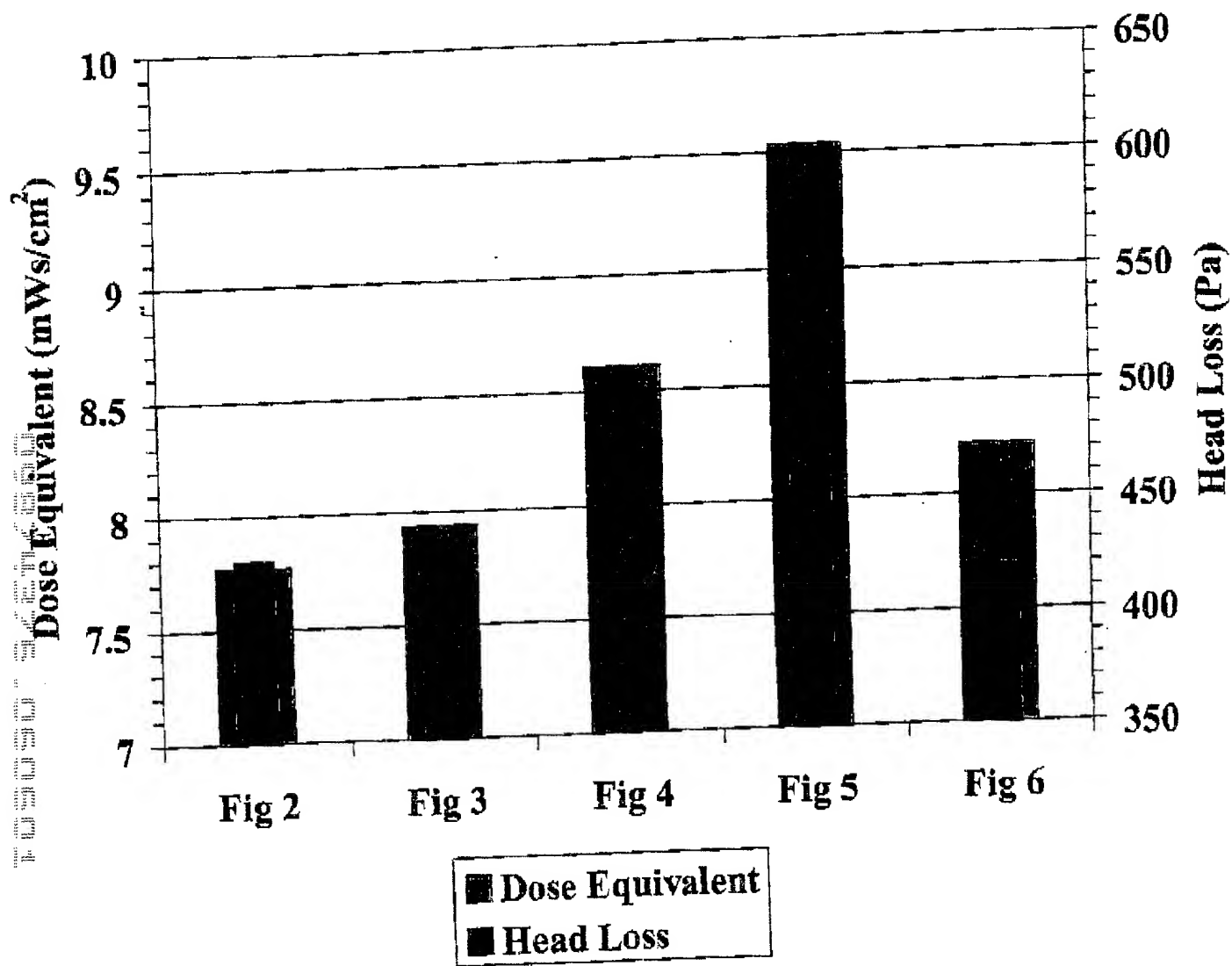


Figure 20

